



MONTHLY OPERATIONS REPORT

July 2018

Town of Discovery Bay, CA

3260 Days of Safe Operations

157,676 worked hours since last recordable incident

TRAINING: Safety, Operations, & Equipment

* TRAINING:

- • Safety
 - West Monthly Regional Safety Webinar
 - Heat Stress Prevention

- Operation
 - None this Month

REPORTS SUBMITTED TO REGULATORY AGENCIES

- * Monthly Discharge Monitoring Report (DMR)**
- * Monthly electronic State Monitoring Report (eSMR)**
- * Monthly Coliform Report, State Water Board (WD)**
- * Quarterly Discharge Monitoring Report (DMR)**
- * Quarterly Electronic State Monitoring Reports(eSMR)**
- * Quarterly Water Quality Report(DDW)**

WATER SERVICES

Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

2018 Water Production Table (MG) by Month

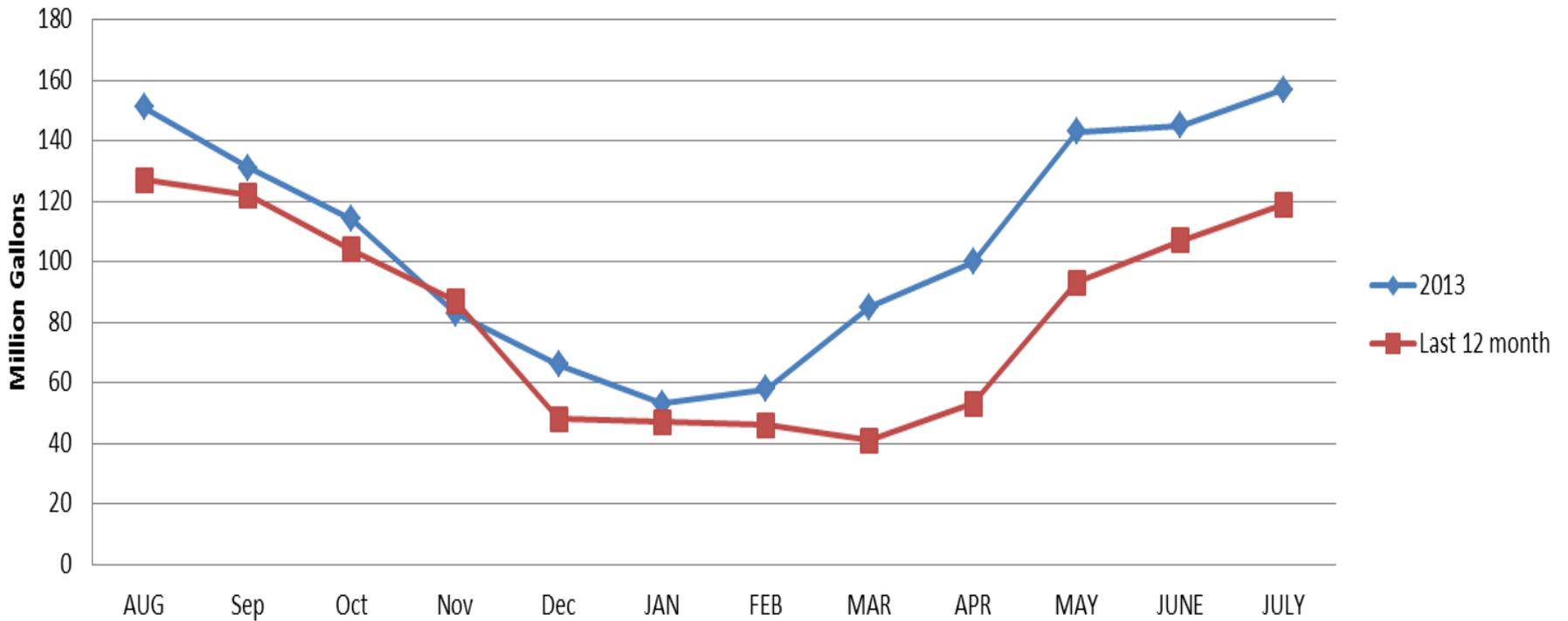
January	February	March	April	May	June
41	46	41	53	93	107
July	August	September	October	November	December
119					

Bacteriological Test Results

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 20	• 0	• 0	• 0	• 4

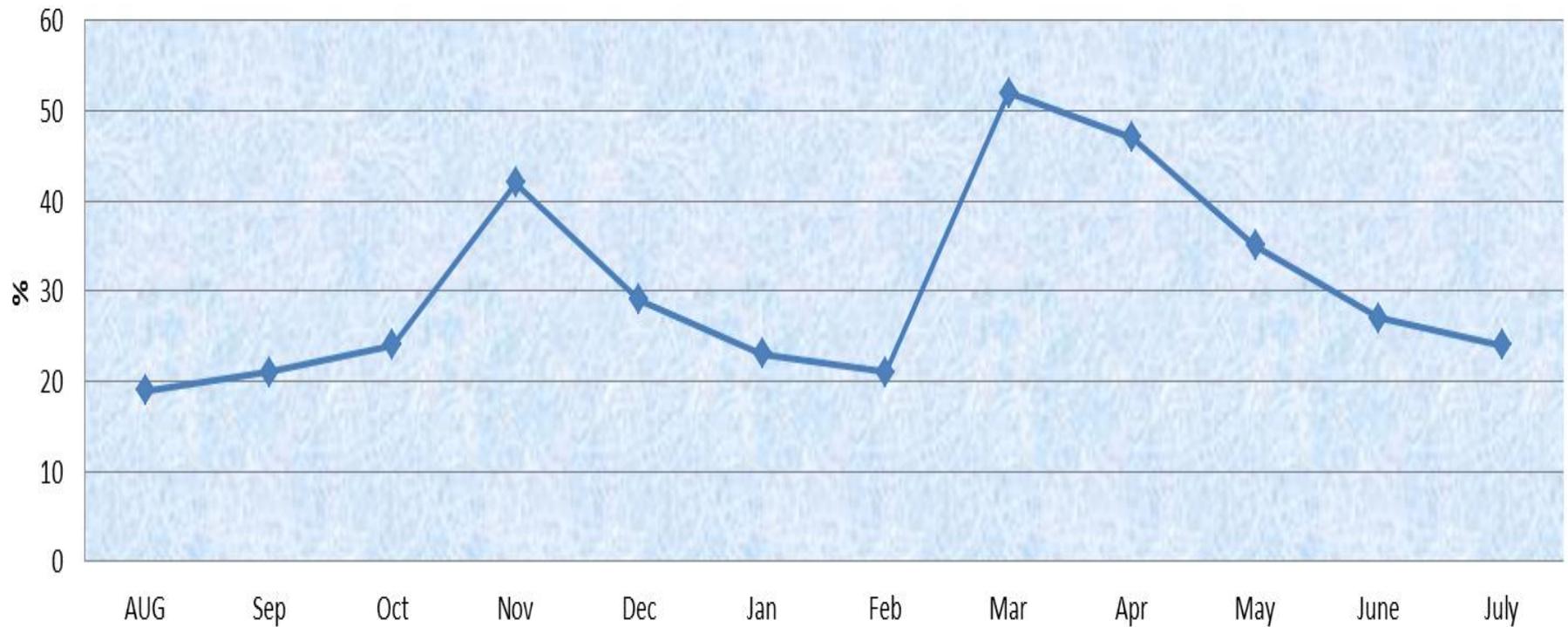
WATER USAGE

Water Production



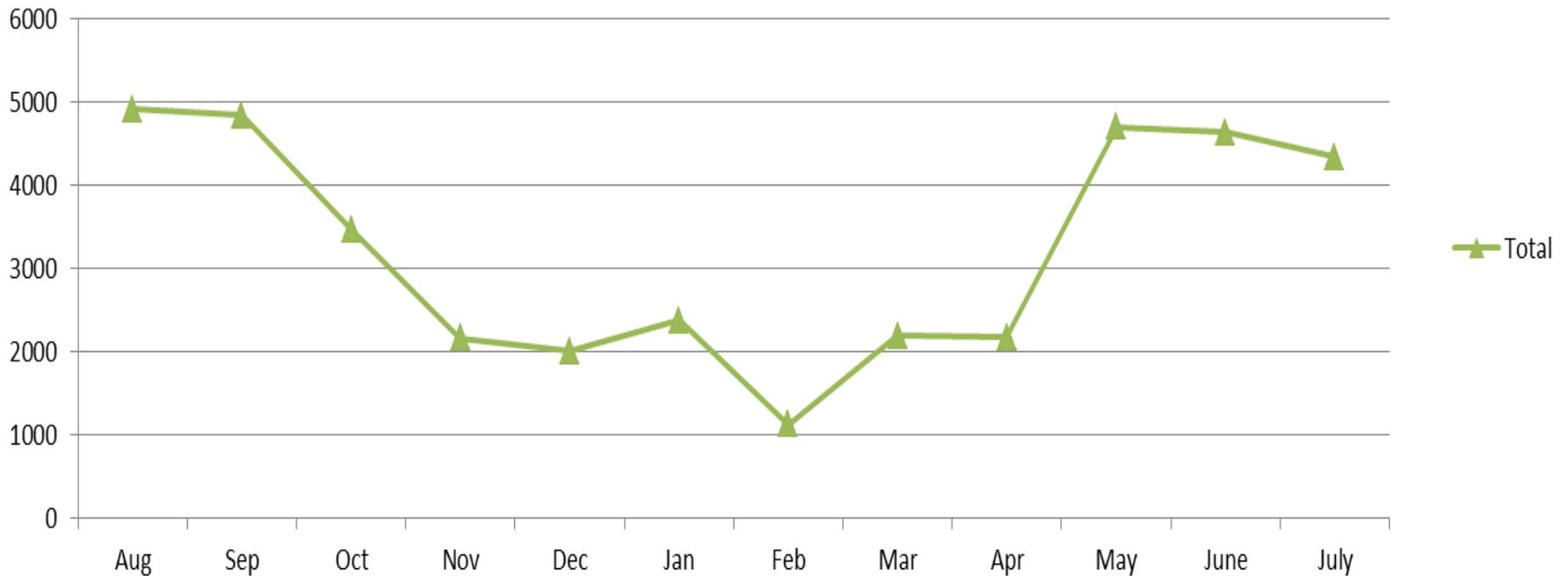
Water Saved

Reduction



Chemical Usages

Hypo Purchased



WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>June Lab Data</i>	<i>July Lab Data</i>
Flow, MG Effluent, monthly total	██████████	34	35
Flow, MG Daily Influent Flow, avg.	N/A	1.4	1.4
Flow, MG Daily Discharge Flow, avg.	2.1	1.1	1.1
Effluent BOD ₅ , lbs/d, monthly avg.	390	14	16
Effluent TSS, lbs/d, monthly avg.	200*	10	5
Effluent BOD ₅ , mg/L, monthly avg.	20	2	2
Effluent TSS, mg/L, monthly avg.	10*	1	1
Total Coli form 7 day Median Max	23	ND	ND
Total Coli form Daily Maximum	240	ND	240
% Removal BOD ₅ , monthly avg.	85% min.	99	99
% Removal, TSS, monthly avg.	85% min.	99	99
Electrical Conductivity, umhos/cm annual avg.	2100	2177	2171

* New Limit

WASTEWATER SERVICE

* National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 1	• Nitrite+Nitrate	• 31 Daily Max	• 35 *

*Due to high ambient high temps, long aeration time to maintain D.O. in ox ditches.

COLLECTION:

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0	41

WASTEWATER SERVICE

- * Collection sanitary sewer line assessment scheduled for Aug.
- * flushed/CCTV will be performed after assessment
- * manhole & covers will be inspected during assessment.

Maintenance

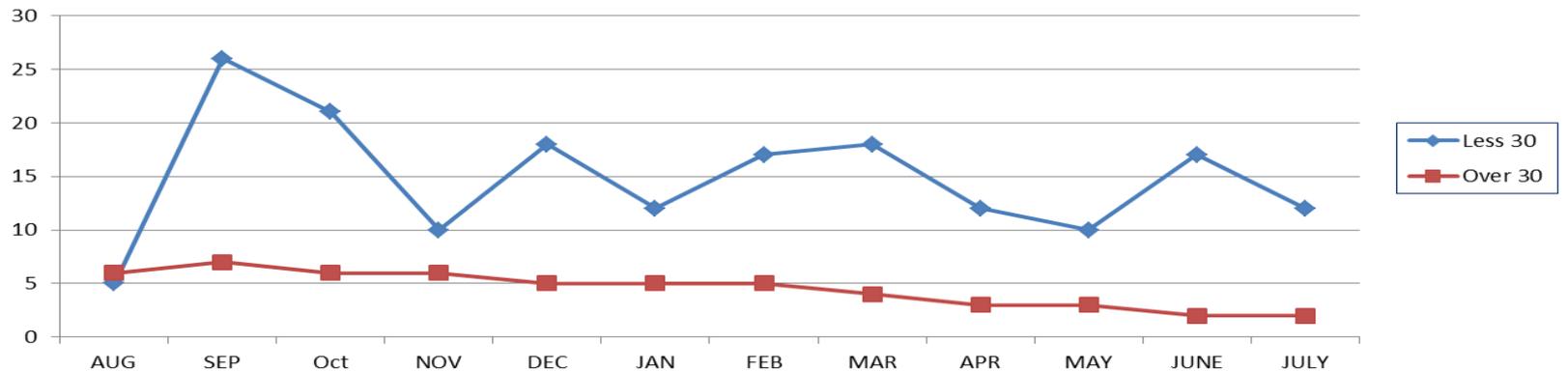
Preventive and Corrective

Work Orders



Work Order Back-Log

WO Backlog



General Info

Call & Emergency Responses

Call Outs

6

Emergencies

0

Personnel Hours & Overtime:

Regular Hours

1722

Overtime

23

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT